



Fax Cover Sheet

NTC Environmental Dept (ENV)

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DATE: August 24, 2005 **TIME:** 3:04 PM

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Number of pages including cover sheet: 6

MESSAGE:

Bob:

As requested, minutes from the September 2000 meeting regarding Pettibone Creek & Boat Harbor.

Regards,

Bob VanBendegom

A handwritten signature in black ink, appearing to read "Bob VanBendegom". The signature is stylized and includes a long horizontal flourish at the end.

Agenda
Pettibone Creek and Harbor Environmental Status Review
Naval Training Center, Great Lakes

September 13, 2000

From 1000-1200

Building 1, First Floor Conference Room

1. Welcome and Introductions
2. Review of Pettibone Creek and Harbor Issues
 - a. Current Conditions
 - Pettibone Creek
 - Boat Basin
 - Inner Harbor
 - Outer Harbor
 - b. Current and Upcoming Projects
 - Slope Stabilization Projects in Pettibone Creek
 - Wetland delineation
 - Natural Resources Management Plan
 - Environmental Assessment for Navy Reserve Exercises
 - Remedial Investigation for Pettibone Creek and Boat Basin
 - c. Other projects under consideration
 - Maintenance dredging permit for Navy Reserve Assault Craft Unit Boat Lift
 - Boat Ramp Dredging and dock improvements
 - Shoreline improvements
3. Review of Upstream Activities
 - a. EPA Projects
 - Fansteel
 - Vacant Lot Site
 - b. IEPA Projects
 - R. Lavin & Sons
4. Discussion of Pettibone Creek and Boat Basin Remedial Investigation
 - Time frame for contract award and start of work
 - Advice/lessons learned from other projects
 - QAPP requirements
 - Special sampling requirements
5. Wrap up and Conclusion

Adjourn for Lunch at the Port O'Call to be followed by a site visit for those interested.

MINUTES

Pettibone Creek and Harbor Environmental Status Review Naval Training Center, Great Lakes September 13, 2000

1. The meeting opened with introductions. A list of attendees is attached.
2. Jenny Ross and Bob Vanbendegom from the Great Lakes Environmental Department provided an overview of current issues related to Pettibone Creek and the Harbor at Naval Training Center (NTC), Great Lakes.

Today, NTC Great Lakes covers 1,628 acres. Pettibone Creek and the Harbor are significant features of the area called "Mainside". The boat basin, boat house and inner harbor were part of the original station. The Outer Harbor was constructed in 1923. NTC Great Lakes is located between Lake Bluff and North Chicago. To the north, the surrounding area contains a number of current and formerly industrial areas. Areas south of NTC Great Lakes are composed of primarily residential and open space. Shore Acres Golf Course covers most of the open space. Off site areas are of concern to the Navy because areas east of Green Bay Road drain to Pettibone Creek.

Current conditions in Pettibone Creek include an accumulation of contaminated sediments in the creek bed, slope erosion, and off site sources of sediment contamination. Current conditions in the Boat Basin include an accumulation of contaminated sediments and concerns about the structural integrity of the concrete walls of the basin. Current conditions in the Inner Harbor include accumulation of sediments, operational issues for the Navy Reserve Assault Craft Unit which cannot operate their boat lift, and structural concerns. In the Outer Harbor, current conditions include an accumulation of sediments and structural concerns primarily with the northern breakwater.

The Navy has some current and upcoming projects that will address some of the issues identified in the review of current conditions. These include a Remedial Investigation of sediments in the Boat Basin and Pettibone Creek, slope stabilization and erosion control projects along Pettibone Creek, and development of a Natural Resources Management Plan. The Remedial Investigation contract will be awarded in FY 2001. Tetra Tech NUS will conduct the remedial investigation. Slope stabilization projects along the creek is being incrementally funded and the worst areas are being addressed first. A Natural Resources Management Plan is being developed which will identify natural areas at NTC Great Lakes and recommend management strategies for them.

Recently, the Illinois Department of Natural Resources (IDNR) recommended that 2.3 acres in the harbor be set aside as a bird sanctuary. Three threatened and endangered bird species nest in the area including the Forester Tern, the Common Tern, and the Piping Plover. Bob Vanbendegom, NTC Natural Resources Program Manager, is working with the IDNR to develop a protected habitat area. He is also working on establishing a natural resources monitoring program for Pettibone Creek.

In addition to developing the Natural Resources Management Plan, the Navy will conduct an Environmental Assessment for Navy Reserves Training Exercises along the shore. This project will include development of a maintenance dredging permit for the boat lift used by the Navy Reserve Assault Craft Unit.

Future projects include maintenance dredging at the boat lift, dredging a channel near the Morale, Welfare, and Recreation (MWR) Boat Ramp, and dock improvements. MWR operates as a not-for profit recreation organization. They operate the recreational areas of the Harbor and are planning a shoreline improvement project. The shoreline improvement project will improve vehicle parking areas and improve the appearance of the lakeshore.

3. There are several industrial or formerly industrial properties located upstream of NTC Great Lakes along Pettibone Creek. The status of these sites is a concern to the Navy because of the potential for contaminated sediments to migrate down the creek onto the Navy property.

John O'Grady, U.S. EPA, provided an overview of the activities at the Vacant Lot Site. This site consists of 4 acres located west of the Fansteel property in North Chicago. An Engineering Evaluation/Cost Analysis was developed in 1996. In 1998, an Action Memorandum was prepared for the Removal Action. A removal action to clean up contaminated sediments in the creek was started in August 1998 and completed in 1999. The primary contaminants at the Vacant Lot Site were benzo-a-pyrene, benzo-f-pyrene, benzoanthracene, lead and beryllium. Approximately 3 feet of sediment was excavated using two difference Corps of Engineers Rapid Response contractors. The material was disposed of in three landfills. Emco Chemicals is in the process of acquiring the site to construct a parking and vehicle maintenance area. They may also construct a warehouse to rent out.

John O'Grady also provided an overview of the current status of the Fansteel site. This site is a RCRA closure that was never completed. The site is contaminated and shows evidence of soil staining. Among other contaminants, TCE has been found in the groundwater. The state is still working with Fansteel. A one-time sediment sampling event took place recently and the agencies are waiting on the results. Currently enforcement tools are being investigated to pursue completion of the original closure.

Georgia Vlahos, NTC General Counsel, provided some information about R. Lavin and Sons which also operates as North Chicago Refiner's and Smelters. They are operating under a consent decree which originally required large amounts of remediation. Those requirements were reduced when the NPDES permit was issued. Their storm water has a process tie in which is not fully addressed under their permit. When the permit was issued, Georgia Vlahos tried to challenge it but was unable to because the Illinois regulations did not allow third parties to comment. When the permit is renewed in a couple of years she wants to be prepared to submit comments.

4. Discussion of Pettibone Creek and Boat Basin Remedial Investigation

- IEPA will be the lead agency through the Bureau of Land Federal Facilities Section, they will draw on expertise in the RCRA and other programs for support as needed

- EPA Sediment Team would be involved through the substantive portions of the Corps of Engineers dredging process.
- Timeline was discussed. Funding can only be provided for what will be done within 12 months of award. Anticipate contract award no earlier than January 2001. The workplans could be developed in 2001, field work in 2002, and Feasibility Study and Remedial Design in 2003.
- Material removed would have to be disposed of off site.
- Reviews could be accelerated by providing a preliminary draft to the agencies to look at.

5. Owen Thompson, EPA, offered free support from the EPA survey team. They can do sediment sampling and check water depths and would be available in either fall or spring. The Navy should contact Owen if they would like to pursue this opportunity.

6. Brad Bradley, EPA, provided a status update on possible construction of a dredge disposal unit at the Johns Manville Site in Waukegan. At Johns Manville, there was a 150 acre landfill with a waste water treatment system in the landfill. A 33 acre settling basin has not been closed because the facility is still operating. Three years ago, this site was identified as a potential site for Waukegan Harbor sediment disposal. It is one of two sites that the Chicago District of the Corps of Engineers is evaluating. There are concerns about proximity to Illinois Beach State Park but this is the site that the City of Waukegan favors. A decision on which facility to pursue will not be made for about a year. The sites will not be suitable for mobile contaminants.

Further cleanup around Johns Manville includes a fishing pier with asbestos that is located near a Pan Am games shooting range. Multiple property owners are complicating addressing this contamination.

Key issues when evaluating a disposal site are the permitting cost and costs associated with public involvement. Economical quantities of material for off site disposal in a dedicated facility are about 100-200,000 cubic yards of material. For further information, the Navy should contact the Chicago District Corps of Engineers.

7. Action Items:

- Georgia Vlahos will provide EPA with information on the R. Lavin permit and her previous attempt to challenge it.
- John O'Grady will provide copies of the document index from the Administrative Record for the Vacant Lot site to Jenny Ross, Bob Davis, and Paul Lake.

ATTENDEES

**Pettibone Creek and Harbor Environmental Status Review
Naval Training Center, Great Lakes
September 13, 2000**

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